

ABSTRACT

- The invention comprises a method for processing seismic data to generate data related to the location of thin beds in the earth's subsurface. Seismic data windows are defined extending over selected portions of a group of spatially related seismic data traces.
- 5 Frequency spectra of successively selected windows of the seismic data are generated by applying a transform having poles on the unit z-circle, where z is the z-transform, to the data windows; and the frequency spectra are utilized to generate data related to the location of thin beds in the earth's subsurface.

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